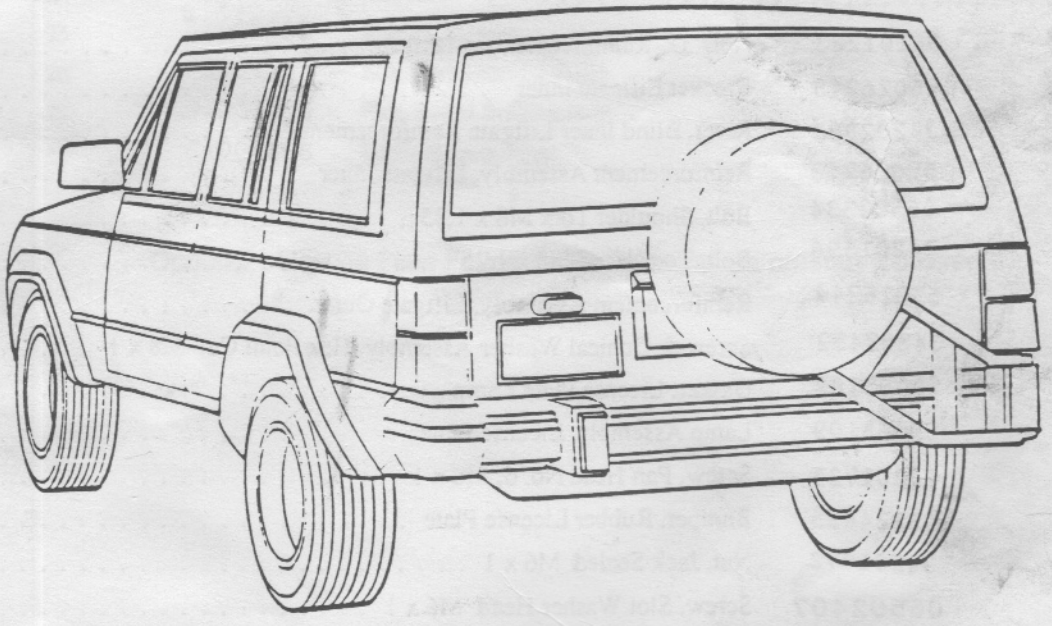
Mopar
CHRYSLER MOTORS
GENUINE PARTS

Jeep Cherokee/Wagoneer
Swing Out Spare Tire Carrier Kit
Part Number 82201154

Beginning Model Year 1990
(Kit will not Fit Prior Model Years)

Beginning Model Year 1994
(also order 82201697 - Roof CHMSL Light Kit)



Installation Instructions
K6859091

May 23, 1994

TOOL LIST

Safety Goggles
Phillips Screwdriver - #2
Flat Blade Screwdriver
8 mm , 3/4" Sockets
No. 40 & No. 60 Torx Bits
5/32", 9/32", 12mm, 13/32", 7/16" Drill Bits
Centerpunch, Variable Speed Drill Motor
Torque Wrench 0-140 ft/lbs, Torque Wrench 0-600 in/lbs
Utility Knife

BILL OF MATERIALS

Item No.	Part No.	Description	Quantity
1	06101283	Nut, "U" Reinforcement-to-Liftgate	2
2	55026245	Bracket Liftgate Inner	1
3	34202855	Rivet, Blind Inner Liftgate Reinforcement	1
4	55026243	Reinforcement Assembly, Liftgate Inner	1
5	06502334	Bolt, Shoulder Torx M8 x 1.25	1
6	34201596	Bolt, Torx Head M8 x 1.25	5
7	55026244	Reinforcement Assembly, Liftgate Outer	1
8	34202452	Screw & Conical Washer Assembly, Hex Point Cut M8 x 1	1
9	55055188	Gasket, License Plate Lamp	1
10	55055109	Lamp Assembly, License Plate	1
11	34201721	Screw, Pan Head No. 6, M6 x 1	2
12	J3234895	Bumper, Rubber License Plate	2
13	34201672	Nut, Jack Sealed M6 x 1	2
14	06502407	Screw, Slot Washer Head M6 x 1	2
15	82201184	Template, License Plate and Lamp Assembly	1
16	55026247	Reinforcement, Body-to-Bumper (Upper)	1
17	55026246	Reinforcement, Body-to-Bumper (Lower)	1
18	34202467	Bolt, Hex Washer Head M8 x 1.25	6

Page 12

Continued on Page 2

BILL OF MATERIALS

(Continued From Page 1)

Item No.	Part No.	Description	Quantity	
19	82201182	Template, End Cap (Upper)	1	Page 13
20	82201183	Template, End Cap (Lower)	1	Page 13
21	06501000	Washer, Flat Steel	1	
22	J4006956	Nut, Acorn Spare Wheel Mounting	2	
23	55025329	Carrier Assembly, Liftgate Swing Out Spare Tire	1	
24	06101467	Nut, Hex	1	
25	52005823	Bracket, Bumper	1	
26	06004504	Bolt, Torx Shoulder Pivot	2	
27	34202319	Plug, Round Bumper Hole	1	
28	J4007186	Lock-Spare Tire	1	

Optional - License Plate Frame #J8993621 may be ordered if desired

INSTALL LIFTGATE REINFORCEMENTS - FIGURE 1.

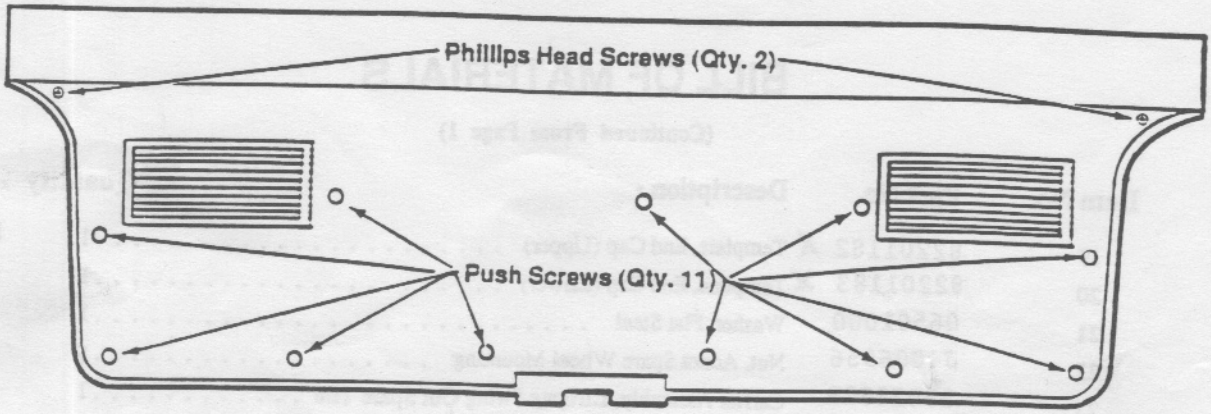


Figure 1. Interior Trim Panel Push Screw Locations

CAUTION: Disconnect battery negative cable before you begin.

- Remove two screws in upper corners of liftgate interior trim panel. Refer to Figure 1.
- Using a long, flat blade screwdriver, carefully pry the interior trim panel from the liftgate.

  NOTE: The interior trim panel is secured to the liftgate with eleven plastic push screws (Refer to Figure 1). Use care when prying off the trim panel so as to not damage the trim panel or push screws.

- Locate license plate lamp assembly connectors inside liftgate and disconnect.
- Remove license plate from outside of liftgate and reinstall screws in liftgate.
- Remove two screws and remove license plate lamp assembly from liftgate.
- Locate wiper motor relay (if equipped).
- Remove blind rivet securing wiper motor relay (if equipped).

- Position inner liftgate reinforcement assembly (Item 4) over wiper motor relay bridge and tape in place. See Figure 2.

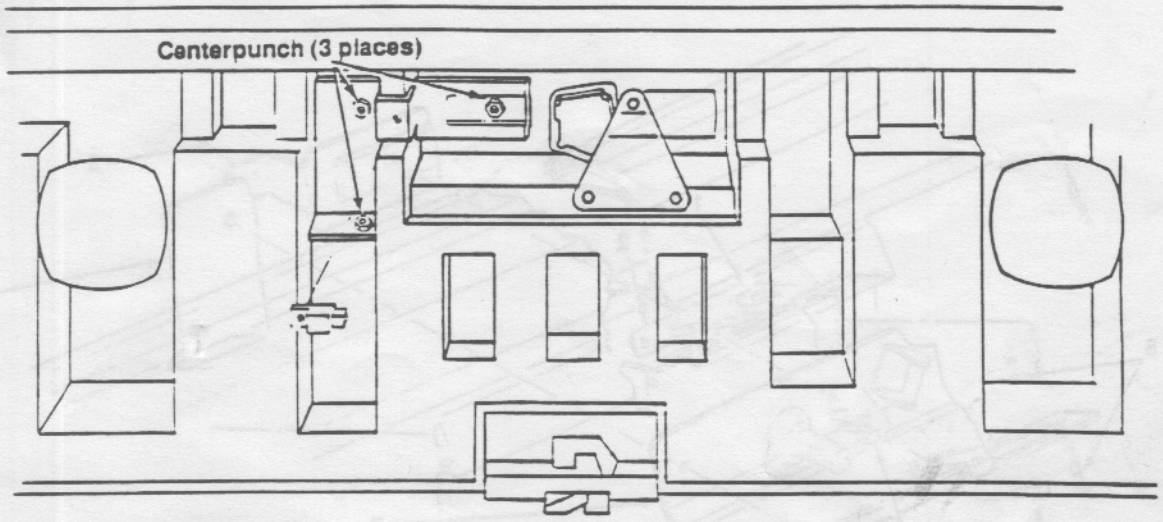


Figure 2. Positioning Inner Liftgate Reinforcement

- Using the inner liftgate reinforcement assembly (Item 4) as a template. centerpunch three (3) mounting holes on inside of liftgate.
- Remove the inner liftgate reinforcement assembly (Item 4).

WARNING: Be sure to wear safety goggles when drilling holes in liftgate to prevent eye injuries.

CAUTION: Use a sharp drill bit and a variable speed drill motor at low RPM to avoid heat damage to fiberglass.

- Drill three 7/16 inch diameter holes in liftgate at points centerpunched above.

NOTE: Hold drill motor straight and drill at low RPM.

- Position inner liftgate reinforcement assembly (Item 4) over wiper motor relay bridge and tape in place. Refer to Figure 2.
- Position outer liftgate reinforcement assembly (Item 7) on liftgate and insert torx shoulder bolt (Item 5) in bottom hole. Tighten snugly by hand. See to Figure 3.

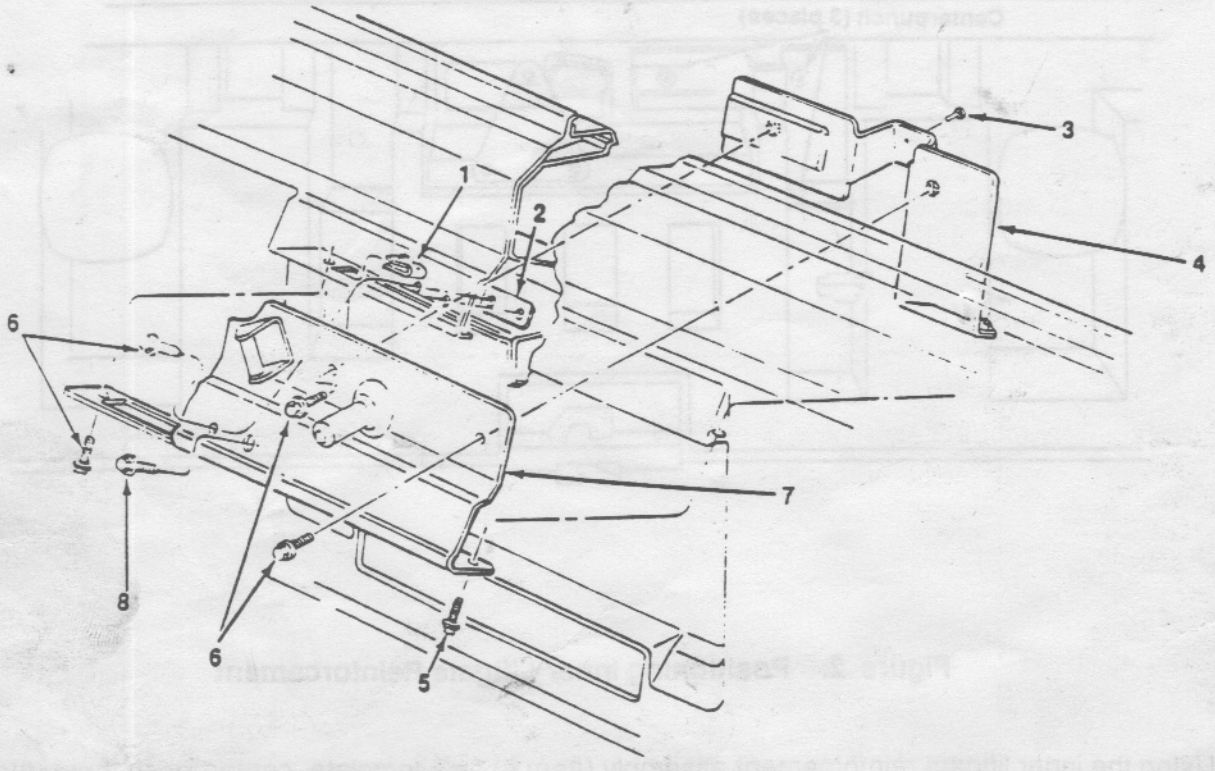


Figure 3. Inner and Outer Reinforcement Installation

- Insert two torx head bolts (Item 6) through liftgate outer reinforcement assembly (Item 7) and tighten snugly by hand. Refer to Figure 3.
- Using the liftgate outer reinforcement assembly (Item 7) as a template, drill the remaining three 7/16 inch holes in the liftgate. Refer to Figure 3.
- Remove the three bolts (Items 5 and 6), and remove the inner and outer reinforcement assemblies (Items 4 and 7) from the liftgate.
- Position "U" nut (Item 1) over hole drilled in lower edge of lamp access opening. Refer to Figure 3.
- Working through lamp access opening, position liftgate inner bracket (Item 2) behind the two holes in liftgate above lamp access opening.

- Install one screw & conical washer assembly (Item 8) into hole in right hand side and tighten to 250 in/lbs torque. Refer to Figure 3.

  NOTE: This assembly is installed to secure the bracket to the liftgate. The washer must align with the oversized hole in the outer reinforcement bracket.

- Position inner and outer reinforcement assemblies (Items 4 and 7) on liftgate. Refer to Figure 3.

- Align bolt holes and secure with five torx head bolts (Items 5 and 6). Tighten bolts to 250 in/lbs.

  NOTE: The torx shoulder bolt (Item 5) is to be installed in the bottom right hand hole.

- Apply body color touch-up paint to protect all exposed surfaces of the screw & conical washer assembly (Item 8).

INSTALL LICENSE PLATE/LAMP ASSEMBLY - SEE FIGURE 4.

- Remove vehicle model and engine identification plates from lower left corner of liftgate.

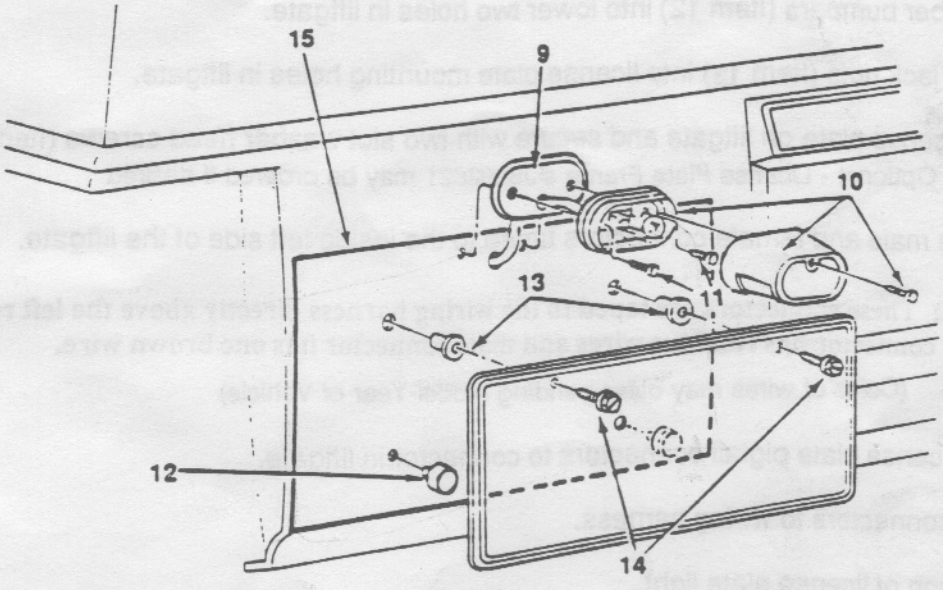


Figure 4. License Plate/Lamp Assembly Installation

- Position license plate and lamp assembly template (Item 15) on lower left hand outer corner of liftgate. Align as indicated on template. Refer to Figure 4.

- Centerpunch seven places as indicated on template.
- Remove template.

WARNING: Be sure to wear safety goggles when drilling hole to prevent eye injuries.

CAUTION: Use a sharp drill bit and a variable speed drill motor at low RPM to avoid damage to fiberglass.

- Drill two 9/32 inch holes, two 5/32 inch holes, two 12mm holes, and one 13/32 inch hole in liftgate at the points indicated on template.
- Route lamp assembly pigtail through center hole in gasket (Item 9) and into 13/32 inch hole in liftgate.
- Insert two No. 6 pan head screws (Item 11) through lamp base, align gasket and tighten screws. Refer to Figure 4.
- Position lens cover on lamp base and install screw. Refer to Figure 4.
- Install rubber bumpers (Item 12) into lower two holes in liftgate.
- Insert two jack nuts (Item 13) into license plate mounting holes in liftgate.
- Position license plate on liftgate and secure with two slot washer head screws (Item 14). Refer to Figure 4. Optional - License Plate Frame #J8993621 may be ordered if desired
- Locate the male and female connectors taped to the inside left side of the liftgate.

  NOTE: These connectors are taped to the wiring harness directly above the left rear speaker. The female connector has two blue wires and male connector has one brown wire.

  (Color of wires may differ pending Model Year of Vehicle)

- Connect license plate pigtail connectors to connector in liftgate.
- Tape old connectors to wiring harness.
- Test function of license plate light.
- Install liftgate interior trim panel.
- Remove spare tire and cover.
- Close liftgate.

INSTALL SWING OUT SPARE TIRE CARRIER

- Remove right hand rear bumper guard, if equipped, and install plug (Item 27) in bumper. See Figure 7.

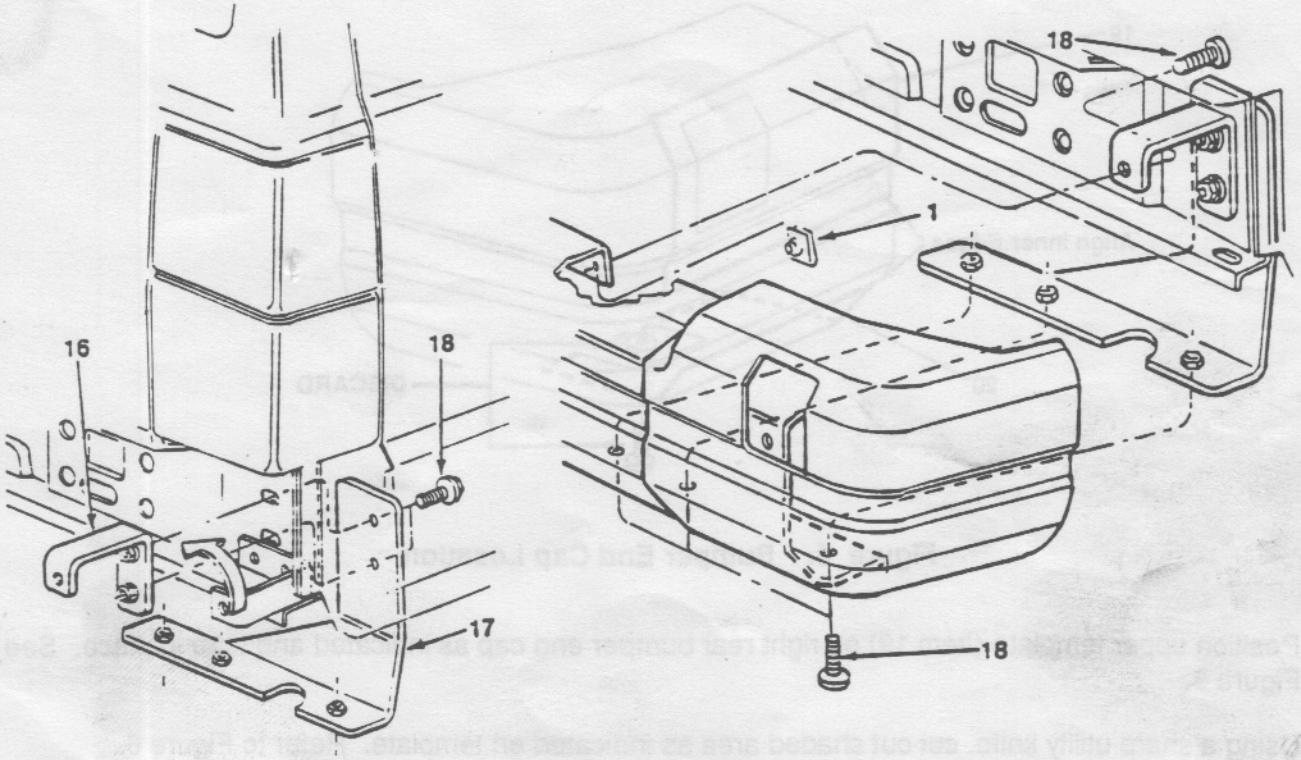


Figure 5. Rear Bumper Reinforcement Installation

- Position lower reinforcement (Item 17) behind rear cross sill. See Figure 5.
- Position upper reinforcement (Item 16) in front of rear cross sill. Refer to Figure 5.

> **NOTE: To position upper reinforcement, lay the reinforcement on its side, up against flange on outer edge of cross sill, and rotate counter-clockwise. In some cases, it may be necessary to loosen the bumper attaching bolts to enable upper reinforcement installation Refer to Figure 5.**

- Install two hex head bolts (Item 18) through lower reinforcement (Item 17) and rear cross sill into upper reinforcement (Item 16) and tighten to 250 in/lbs torque. Refer to Figure 5.

- Install "U" nut (Item 1) over edge of bumper. Refer to Figure 5.
- Insert one hex head bolt (Item 18) through front hole of upper reinforcement and into "U" nut (Item 1) in bumper. Tighten to 250 in/lbs torque. Refer to Figure 5.

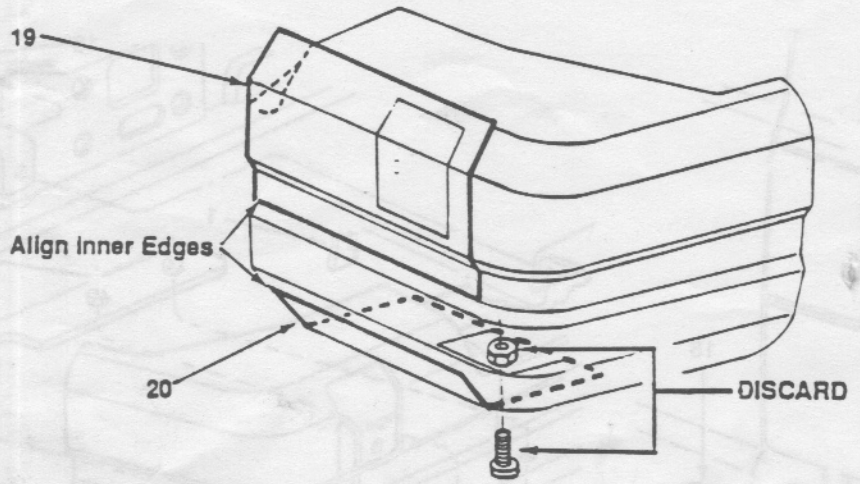


Figure 6. Bumper End Cap Location

- Position upper template (Item 19) on right rear bumper end cap as indicated and tape in place. See Figure 6.
- Using a sharp utility knife, cut out shaded area as indicated on template. Refer to Figure 6.
- Remove and discard outboard nut and torx head bolt from bottom edge of end cap. Refer to Figure 6.
- Position lower template (Item 20) on bottom edge of right rear bumper end cap as indicated, and tape in place. Refer to Figure 6.
- Using a sharp utility knife, cut out shaded areas as indicated on template.

- Remove Lower R.H. Bumper Bolt from Bumper Bracket. DO NOT DISCARD, this bolt will be required later during the installation.
- Position bumper bracket (Item 25) over bumper and end cap. See Figure 7.
- Insert torx head bolt (Item 6) through rear of bumper, through hole cut in end cap and into the bumper bracket weld nut. Tighten to 250 in/lbs torque. Refer to Figure 7.

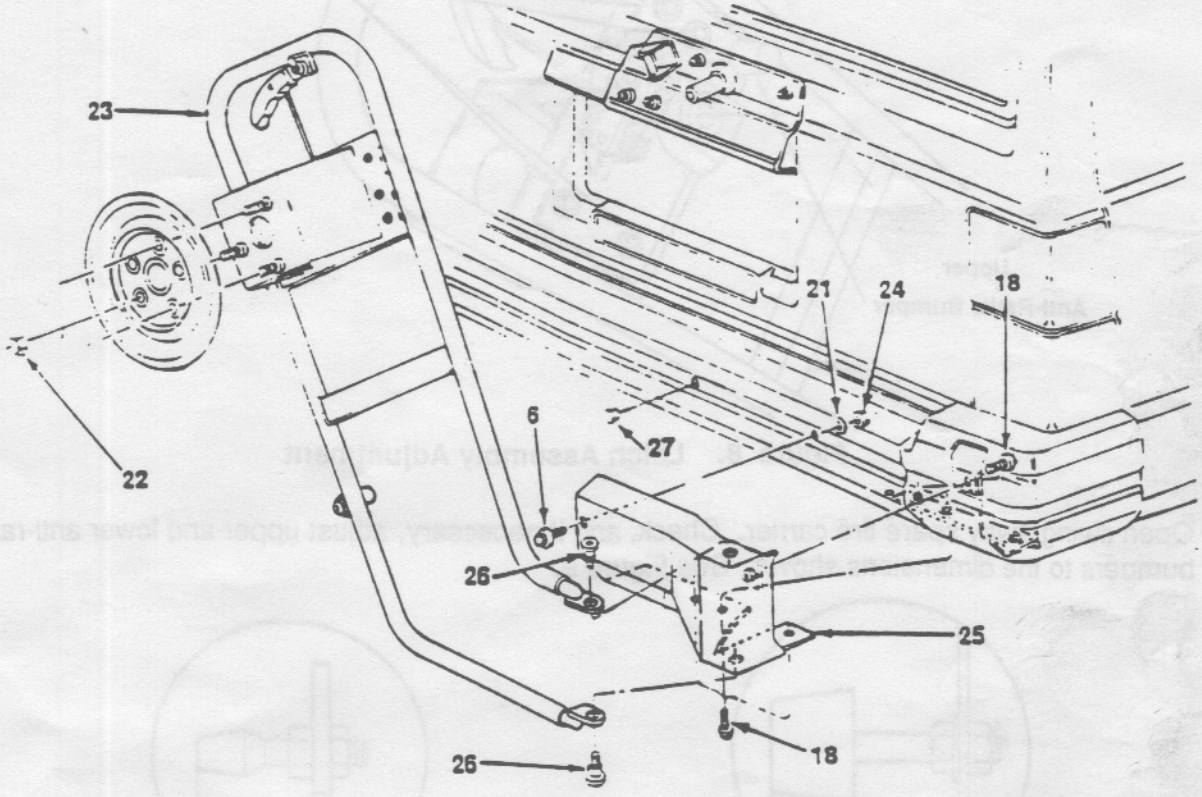


Figure 7. Swing Out Tire Carrier Installation

- Insert torx head bolt (Item 6) through inboard hole of bumper bracket (Item 25). Install steel washer (Item 21) and hex nut (Item 24). Tighten to 250 in/lbs torque. Refer to Figure 7. On some vehicles, this hole is not present. Using bracket as a template, drill a clearance hole for the M8 Bolt.
- Install three hex head bolts (Item 18) through bottom of bumper bracket (Item 25) and bumper. Refer to Figure 7. On some vehicles, holes may not be present. Using bracket as a template, drill clearance hole for the M8 Bolt.
- Tighten all bumper bracket bolts and nuts to 250 in/lbs torque.
- Position carrier assembly (Item 23) on bumper bracket (Item 25) and secure with two pivot bolts (Item 26). Refer to Figure 7. Tighten bolts to 70 ft/lbs torque. T-60 Torx Bit is required.

- Slowly close swing away carrier assembly (Item 23) until latch collar is properly aligned over latch pin on liftgate reinforcement. Tighten four latch assembly adjusting bolts to 75 in/lbs torque. See Figure 8.

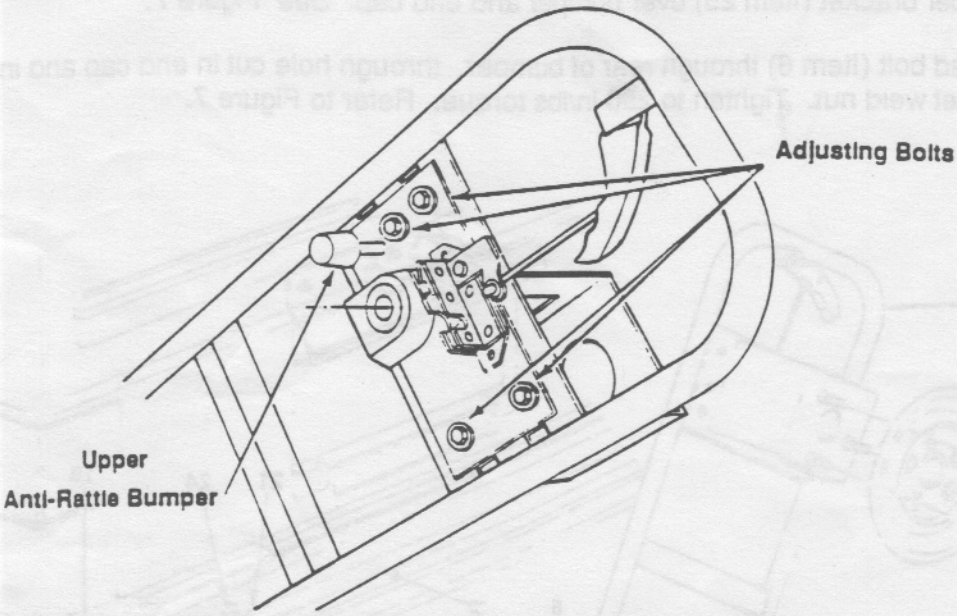
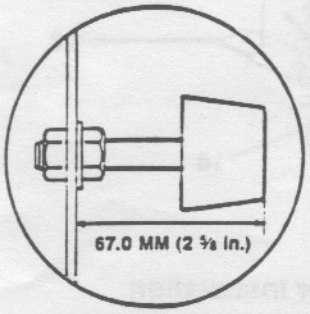
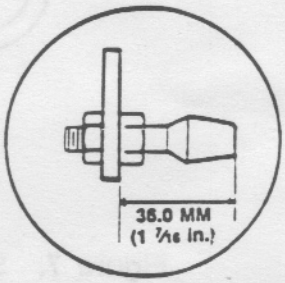


Figure 8. Latch Assembly Adjustment

- Open swing away spare tire carrier. Check, and if necessary, adjust upper and lower anti-rattle bumpers to the dimensions shown. See Figure 9.



Upper Anti-Rattle Bumper



Lower Anti-Rattle Bumper

Figure 9. Anti-Rattle Bumper Adjustments

- Check swing away spare tire carrier for proper operation. Adjust as necessary.
- Position spare tire over the three studs in swing out carrier and secure with three lug nuts (Item 22). Tighten nuts to 50 ft/lbs torque. Refer to Figure 7.
- Connect battery negative cable.